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Several hundred buildings of the combine, connected with a network of pipes and overhead bridges, now cover an area which 3 years ago was nothing but a rubbish heap. Hitlerites, retreating from the Soviet Army, completely demolished the original Kedzierzyn plants.

After completion and full activation, the Kedzierzyn combine will use more electric current than a city twice the size of prewar Warsaw. Roadways at the combine total 60 kilometers in length.

Ignacy Lis, formerly a locksmith at the chemical factory in Moscie, is general director of the combine.

PRODUCE NEW PHOSPHORUS FERTILIZER -- Warsaw, Trybuna Ludu, 2 Apr 52

The ZPA im. Dzierzynskiego (Zakłady Przemysłu Azotowego imienia Dzierzynskiego, Dzierzynski Nitrogen Plants) at Tarnow have released their first batch of "precypitat," a new artificial fertilizer, for this year's spring sowing.

Poland is the second country in the world after the USSR to start production of precypitat on a large scale. This is a high-grade fertilizer containing over 40 percent of active phosphorus ingredients. It can be used for all types of soil, especially sandy soil.

A group of engineers and technologists of the Tarnow plants, under the direction of Dr-Engr Mazgaj developed the formula for the new commodity, production of which has up to now been in the pilot-plant stage.

POLEAND STUDIES LIQUID AMMONIA AS ARTIFICIAL FERTILIZER -- Berlin, Aussenhandels Nachrichten, 5 Mar 52

For a number of years, some of the leading Polish agricultural chemists have been seeking to develop a method of using liquid ammonia directly as a fertilizer, without the expensive intermediate process of converting ammonia into solid nitrogen fertilizer.

According to information released recently by Professor M. Gorski of the Agricultural College in Warsaw, chief of the Division for Fertilizer Research in the Institute for Planting Methods, Fertilizer, and Soil Typology, experiments toward this goal have progressed beyond the laboratory stage. Trials have already been made on fields of various soil types and with different species of plants. The results have indicated that the ammonia used by the research scientists is a fully effective fertilizer if it is applied before seeds are sown. At present, further experiments are directed at finding a way to use liquid ammonia as a fertilizer after seeding.

Dr Gorski pointed out that the conversion of liquid ammonia to solid artificial fertilizer usually costs two or three times as much as the production of the ammonia itself. The necessary investments for the production of ammonia according to the new process can, therefore, be amortized in a very short time. The State Economic Planning Commission has established a commission to consider the questions which will arise in connection with the introduction of liquid ammonia fertilizers in agriculture.

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